

Declaration and Power of Attorney for National Stage of PCT Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method for Operating a Sensor for Determining the Concentration of Oxidizing Gases in Gas Mixtures, the specification of which was filed as PCT International Application number PCT/DE 00/04550 on December 20, 2000.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>		<u>Priority Claimed</u>	
<u>199 62 912.9</u> (Number)	<u>Federal Republic of Germany</u> (Country)	<u>23 Dec 99</u> Date Filed	<u>X</u> Yes <u>      </u> No
<u>      </u> (Number)	<u>      </u> (Country)	<u>      </u> Date Filed	<u>      </u> Yes <u>      </u> No

As a named inventor, I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Walter Ottesen  
Reg. No. 25,544

Direct all telephone calls to Walter Ottesen at telephone no. (301) 869-8950 and address all correspondence to:

Walter Ottesen  
Patent Attorney  
P.O. Box 4026  
Gaithersburg, Maryland 20885-4026

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor, if any Berndt Cramer

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence 71229 Leonberg, Federal Republic of Germany  
Country of Citizenship Federal Republic of Germany  
Post Office Address Schellingstrasse 20, 71229 Leonberg  
Federal Republic of Germany

Full name of second joint inventor, if any Bernd Schumann

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 71277 Rutesheim, Federal Republic of Germany

Country of Citizenship Federal Republic of Germany

Post Office Address Daimlerstrasse 23, 71277 Rutesheim

Federal Republic of Germany

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Direct all telephone calls to Walter Ottesen at telephone no. (301) 962-9950 and address all correspondence to:

Walter Ottesen  
Patent Attorney  
P.O. Box 4026  
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Full name of sole or first inventor, if any Berndt Cramer

Inventor's signature *Berndt Cramer* Date X 08/31/2001  
Residence 71229 Leonberg, Federal Republic of Germany  
Country of Citizenship Federal Republic of Germany DEU  
Post Office Address Schellingstrasse 20, 71229 Leonberg  
Federal Republic of Germany

Figure 1 consists of 12 sub-graphs labeled (a) through (l), each showing the growth of *E. coli* O157:H7 under different conditions. The y-axis for all graphs is  $\log_{10}$  CFU/g, ranging from 0 to 10. The x-axis is time in hours, ranging from 0 to 24. The graphs show various growth curves, including control, heat treatment, and different chemical treatments.

- (a) Control: Shows a typical growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (b) Heat treatment: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (c) Heat treatment + 100 mg/L NaCl: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (d) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (e) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (f) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (g) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (h) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub> + 100 mg/L NaClO<sub>3</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (i) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub> + 100 mg/L NaClO<sub>3</sub> + 100 mg/L NaClO<sub>4</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (j) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub> + 100 mg/L NaClO<sub>3</sub> + 100 mg/L NaClO<sub>4</sub> + 100 mg/L NaClO<sub>5</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (k) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub> + 100 mg/L NaClO<sub>3</sub> + 100 mg/L NaClO<sub>4</sub> + 100 mg/L NaClO<sub>5</sub> + 100 mg/L NaClO<sub>6</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.
- (l) Heat treatment + 100 mg/L NaCl + 100 mg/L NaOH + 100 mg/L NaF + 100 mg/L NaClO + 100 mg/L NaClO<sub>2</sub> + 100 mg/L NaClO<sub>3</sub> + 100 mg/L NaClO<sub>4</sub> + 100 mg/L NaClO<sub>5</sub> + 100 mg/L NaClO<sub>6</sub> + 100 mg/L NaClO<sub>7</sub>: Shows a growth curve starting at  $\log_{10}$  CFU/g = 0 and reaching approximately 8.5 at 24 hours.